

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/001011

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H02P 9/44, H02M 7/48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H02P, H02M, B60L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, FULLTEXT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0645278 A1 (TOYOTA JIDOSHA KABUSHIKI KAISHA), 29 March 1995 (29.03.1995), page 4, line 41 - page 6, line 12 --	1-16
A	US 5497070 A (MASAYUKI FURUTANI ET AL), 5 March 1996 (05.03.1996), column 3, line 60 - column 5, line 20 --	1-16
A	US 3875483 A (JAMES B. FARR), 1 April 1975 (01.04.1975), column 8, line 25 - line 33 --	1-16
A	WO 0189070 A1 (SIEMENS AKTIENGESELLSCHAFT), 22 November 2001 (22.11.2001), abstract --	1-16

 Further documents are listed in the continuation of Box C. See patent family annex.

Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
"E"	earlier application or patent but published on or after the international filing date
"L"	document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O"	document referring to an oral disclosure, use, exhibition or other means
"P"	document published prior to the international filing date but later than the priority date claimed
"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"A"	document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
02-02-2005	03-02-2005
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. + 46 8 666 02 86	Authorized officer Irma Bornhede/MN Telephone No. + 46 8 782 25 00

Form PCT/ISA/210 (second sheet) (January 2004)

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International application No.
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WO	0189070	A1	22/11/2001	DE	10024853	A	29/11/2001